

ABSTRACT OF THE DISCLOSURE

When applying sustain pulses to each discharge cell in a gas discharge panel, a pulse of the opposite polarity is briefly applied immediately before the leading edge of each sustain pulse. Or, the absolute voltage of each sustain pulse is set higher during a certain period from the leading edge of the sustain pulse than during a period from the lapse of the certain period to the trailing edge of the sustain pulse, and a pulse of the opposite polarity is briefly applied immediately after the trailing edge of the sustain pulse. As a result, discharge delays during a discharge sustain period are suppressed to improve image quality, and reactive currents are reduced to improve luminous efficiency.

UNITED STATES PATENT AND TRADEMARK OFFICE
DOCUMENT CLASSIFICATION BARCODE SHEET



Drawings

7

Level - 2
Version 1.1

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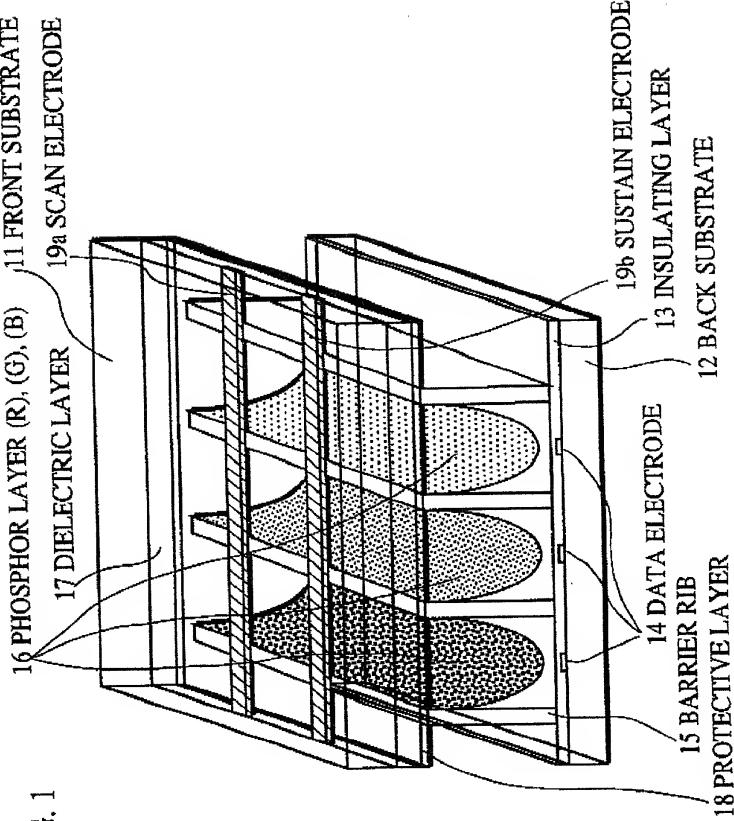
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DRAWINGS (23 SHEETS)

Inventor(s): Akira Shiokawa et al.
Title: PANEL DISPLAY APPARATUS AND METHOD FOR
DRIVING A GAS DISCHARGE PANEL
Attorney's
Docket No.: NAK1-BO21

EXPRESS MAIL LABEL NO. EL852660535US
DATE OF DEPOSIT: March 13, 2001

FIG. 1



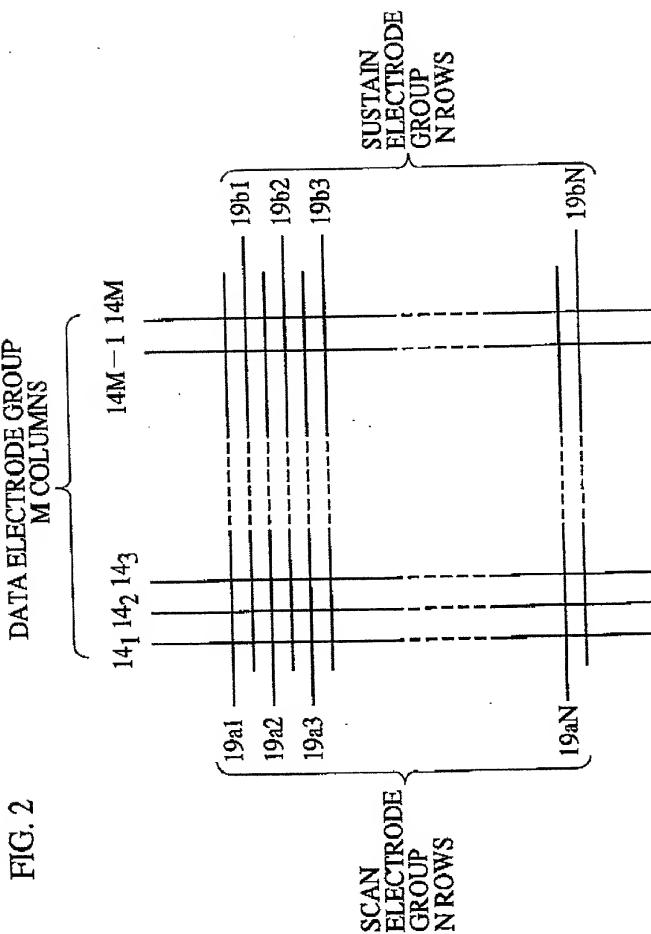


FIG. 3

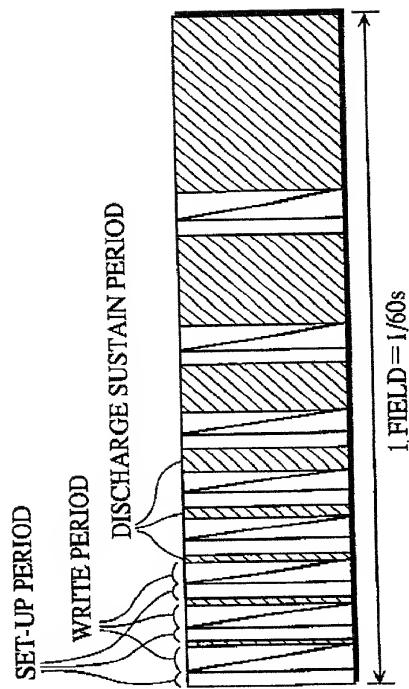


FIG. 4

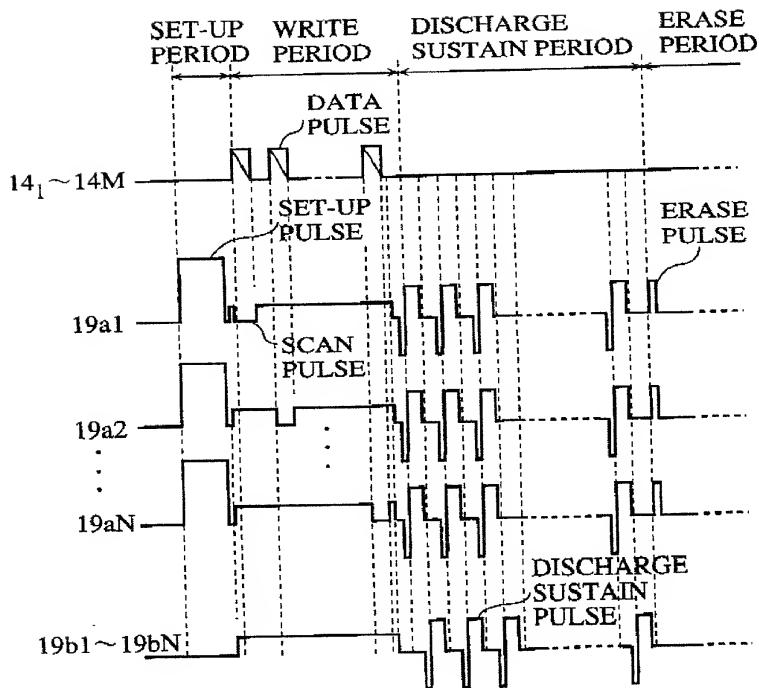


FIG. 5

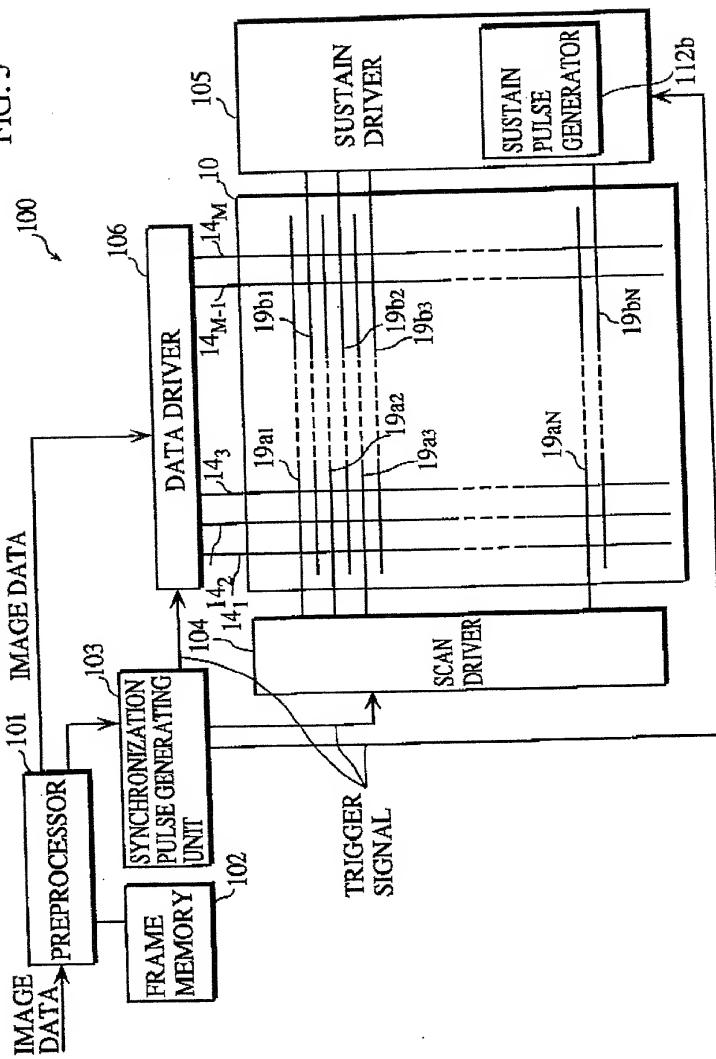


FIG. 6

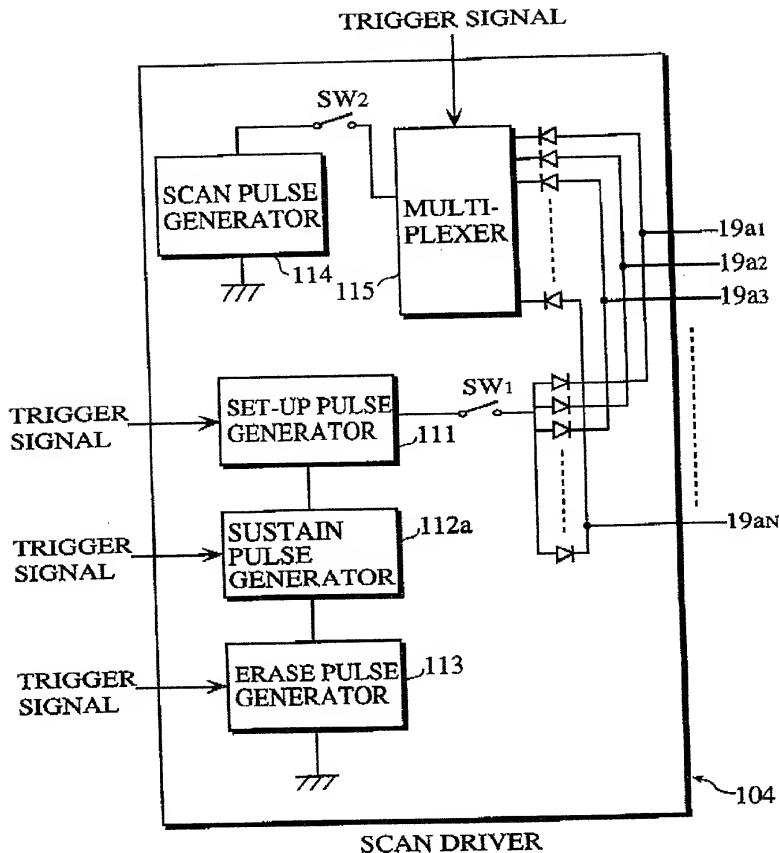


FIG. 7

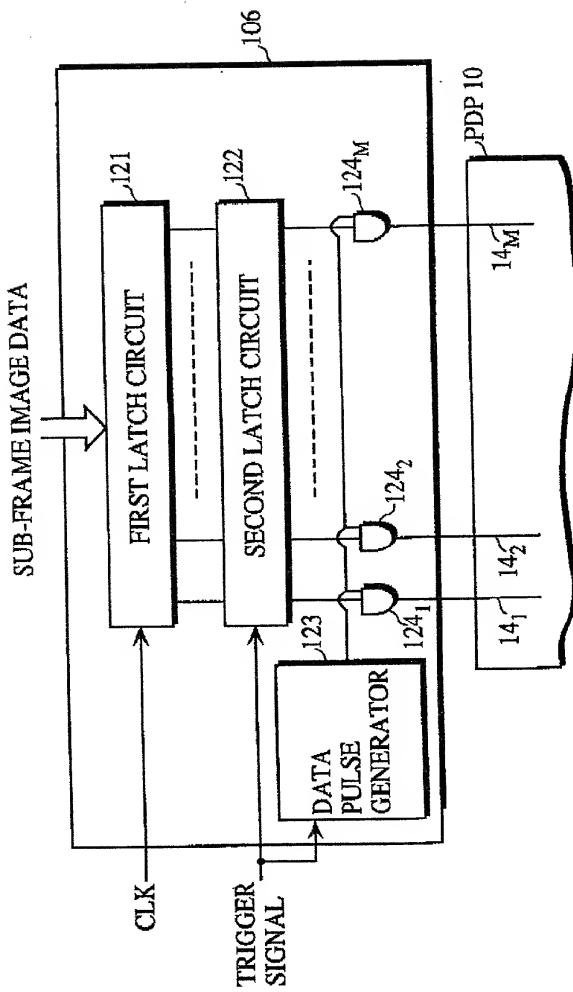


FIG. 8A

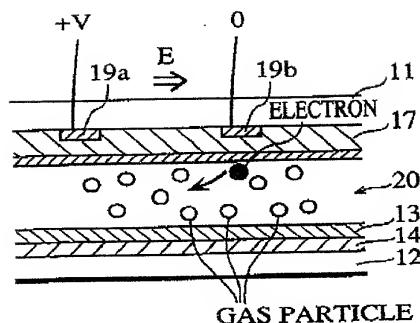


FIG. 8B

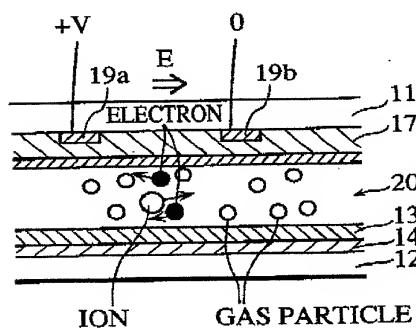


FIG. 9A

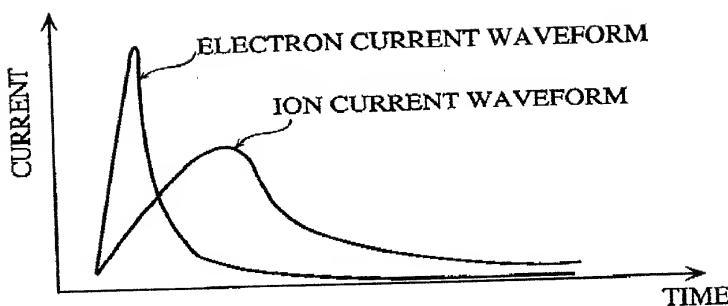


FIG. 9B

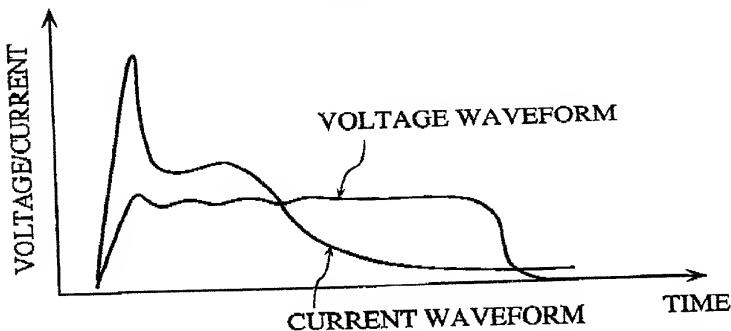


FIG. 9C

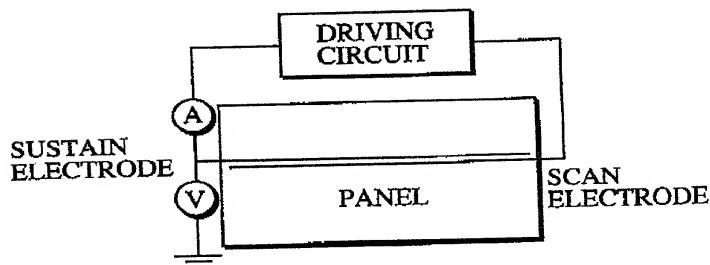


FIG. 10A

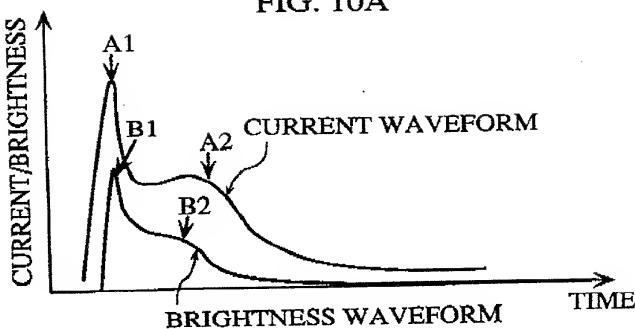


FIG. 10B

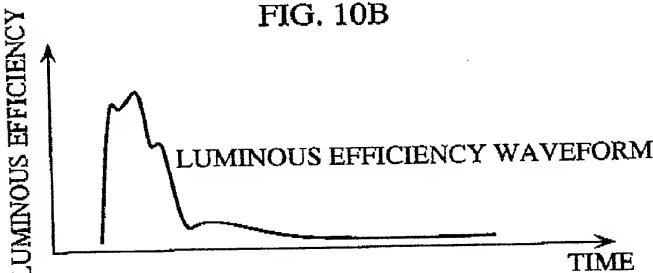


FIG. 10C

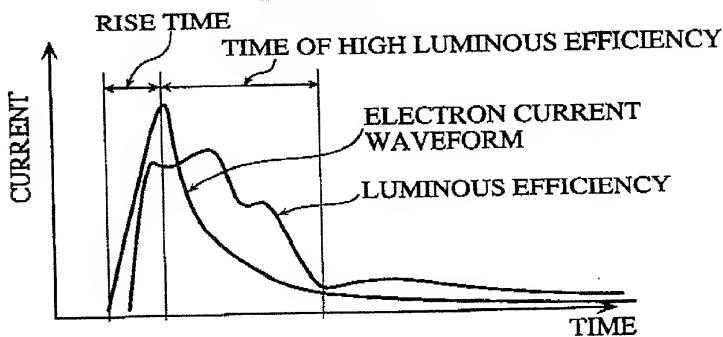


FIG. 11A

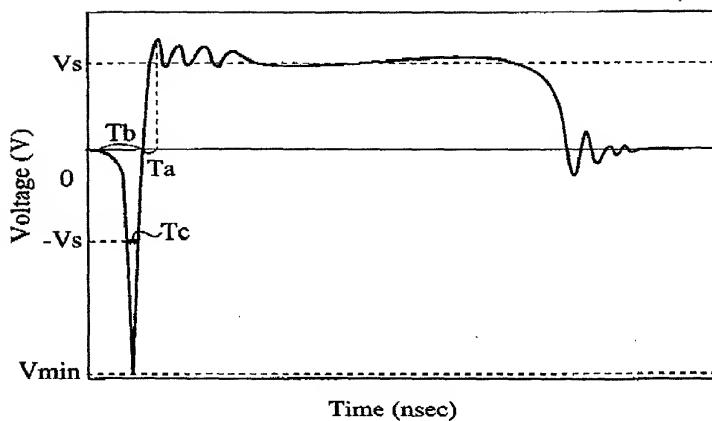


FIG. 11B

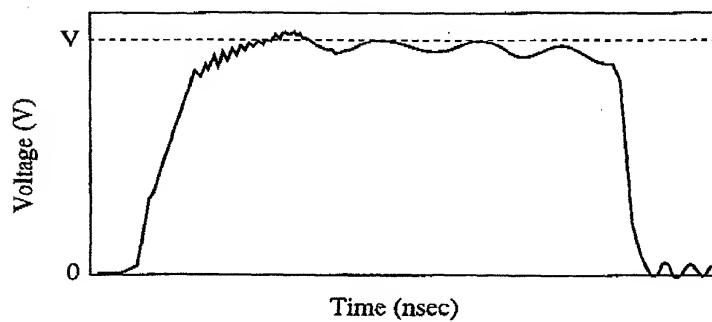


FIG. 12A

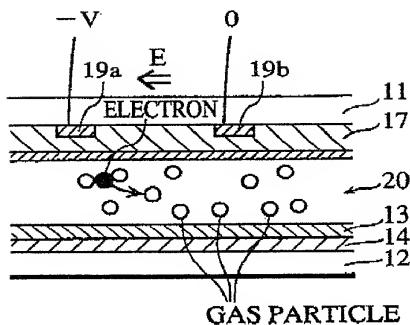


FIG. 12B

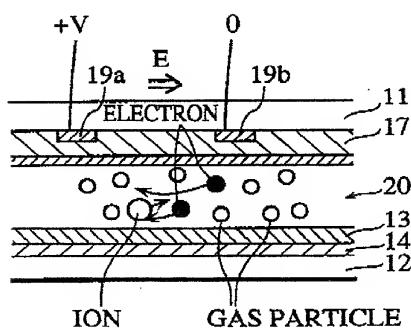


FIG. 13

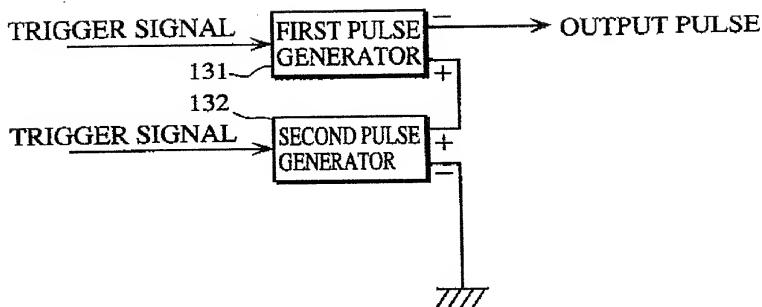


FIG. 14

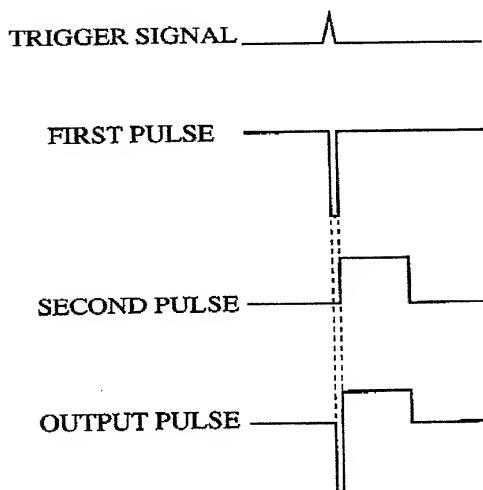


FIG. 15

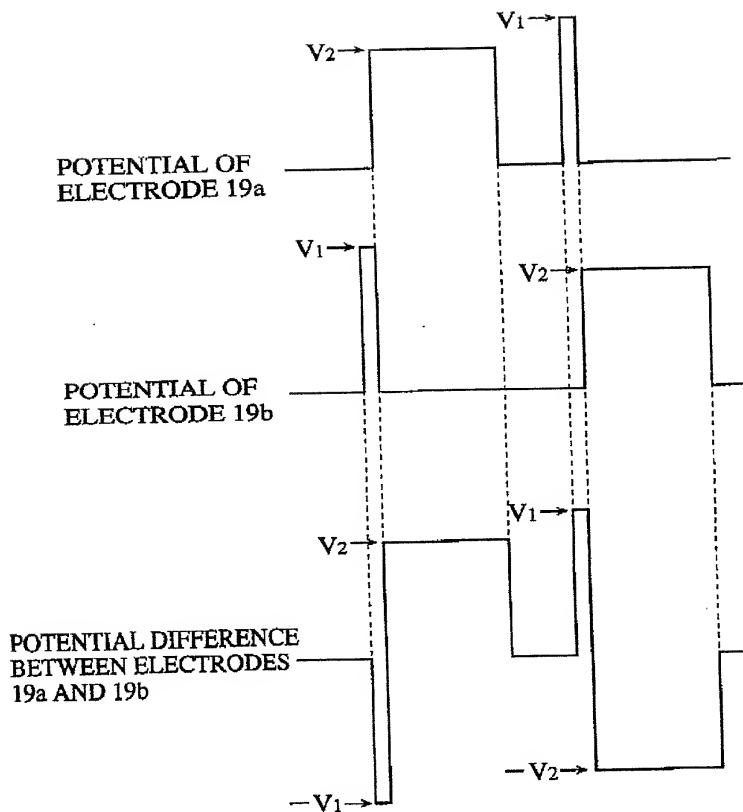


FIG. 16

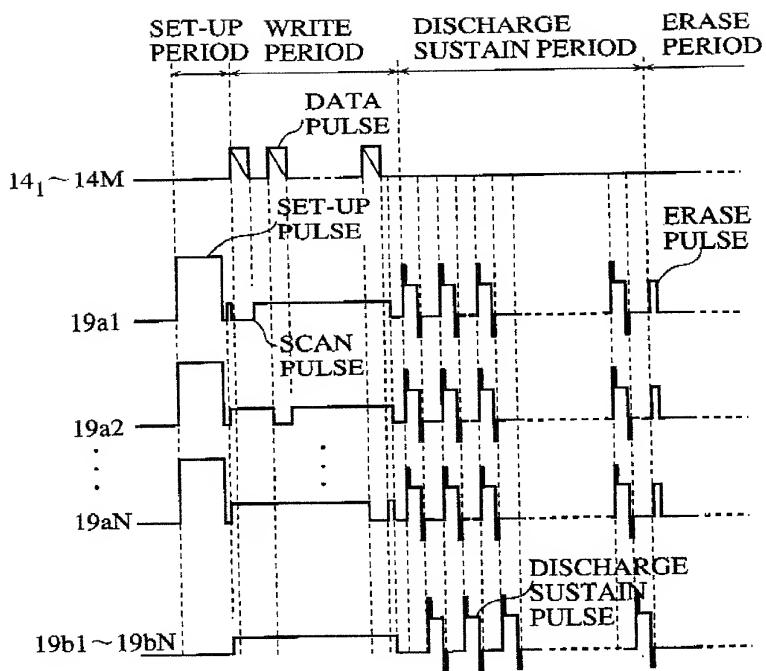


FIG. 17A

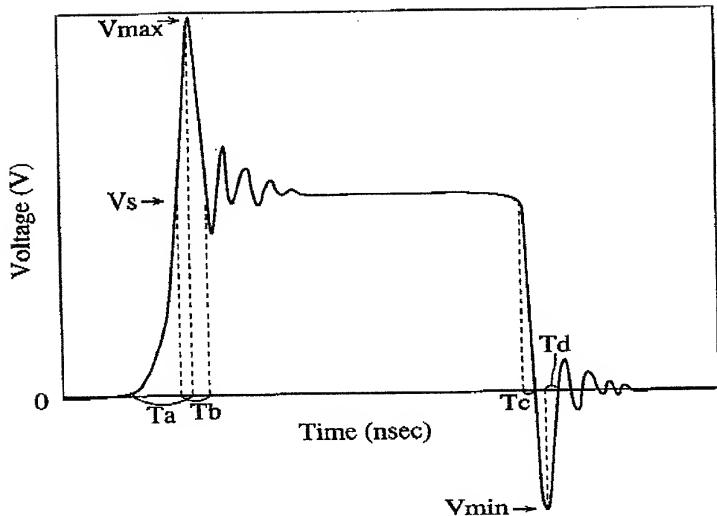


FIG. 17B

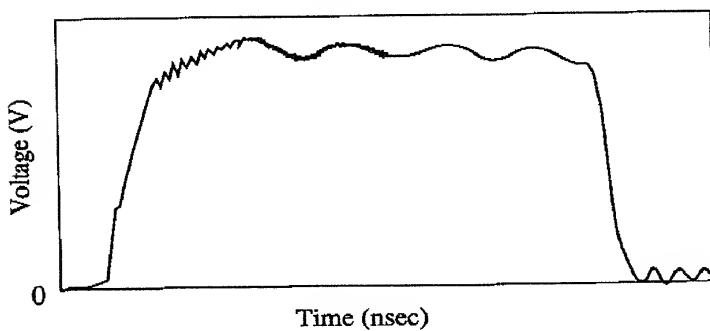


FIG. 18A

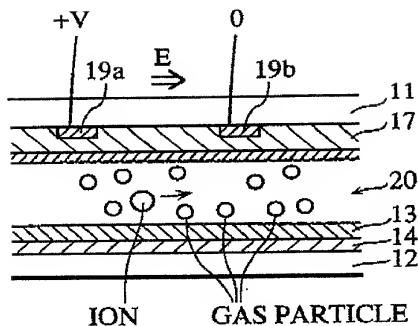


FIG. 18B

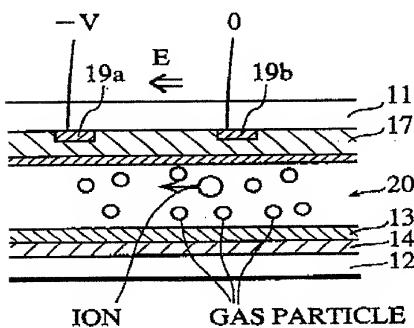


FIG. 19

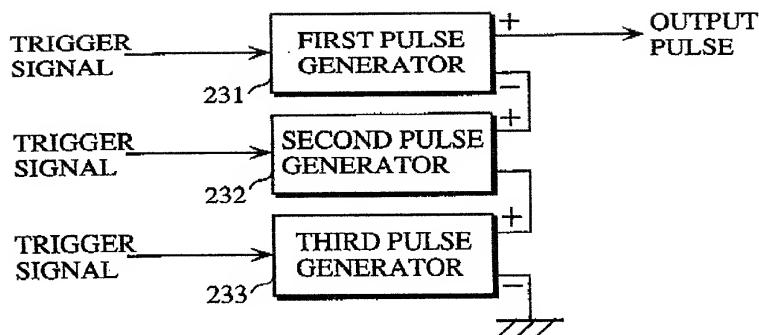


FIG. 20

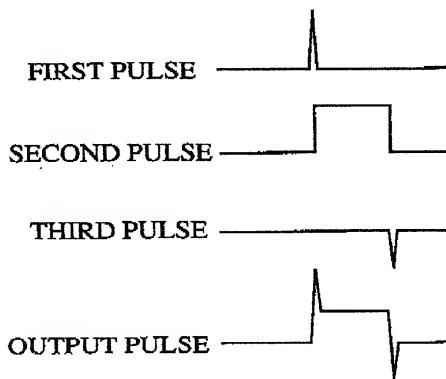


FIG. 21

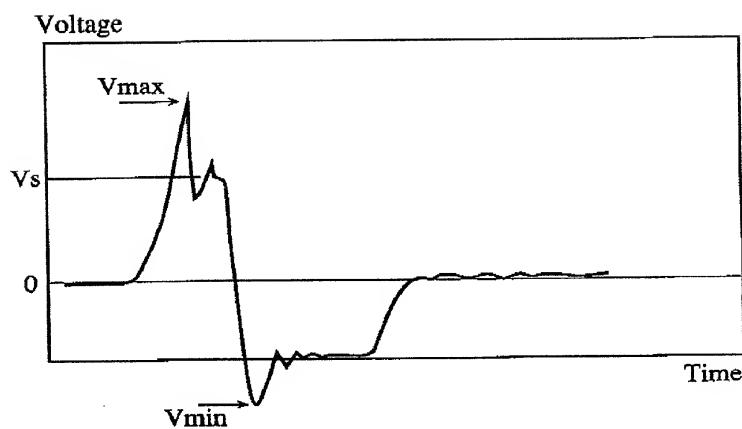


FIG. 22

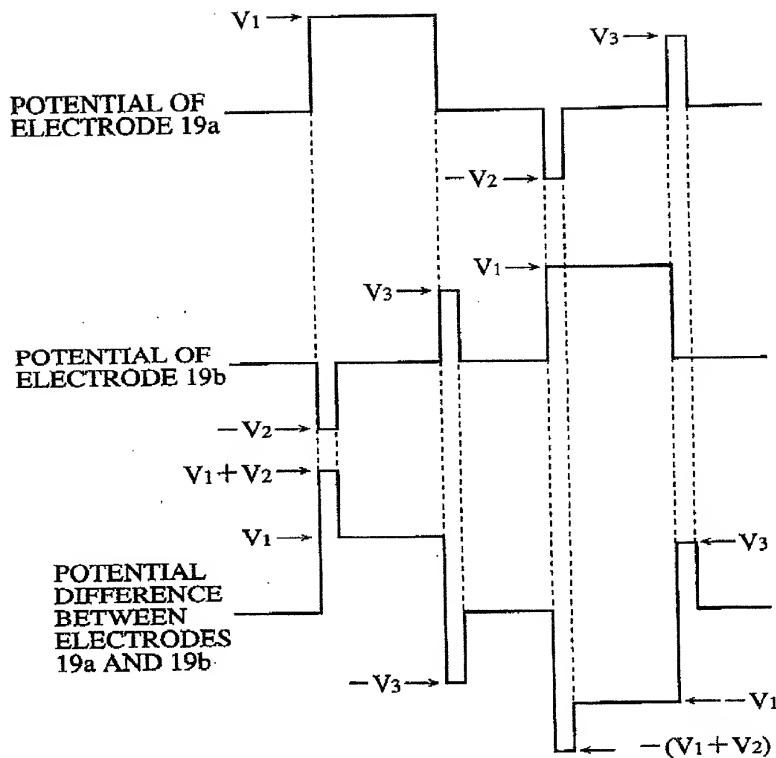


FIG. 23

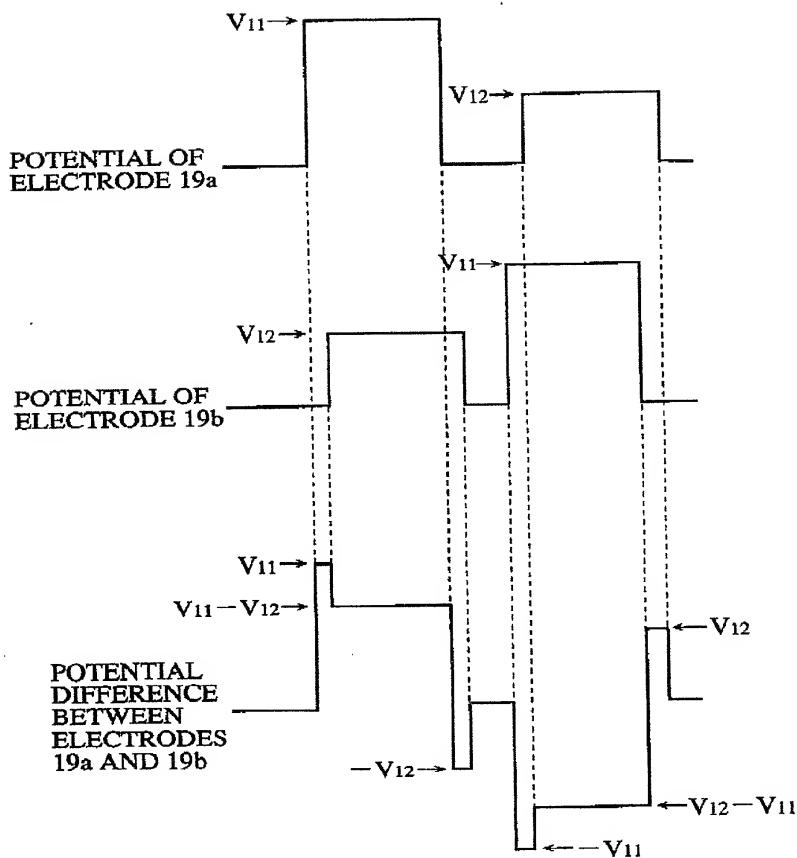


FIG. 24

POTENTIAL OF
ELECTRODE 19a

POTENTIAL OF
ELECTRODE 19b

POTENTIAL DIFFERENCE
BETWEEN ELECTRODES -
19a AND 19b

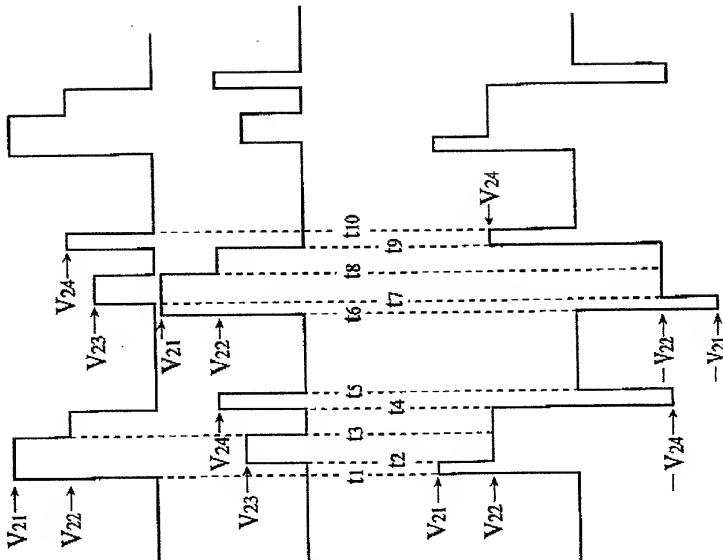


FIG. 25

